KORENBERG, E.I.; ZHMAYEVA, Z.M.

Interrelations between the yellowhammer and the tick Ixodes
persulcatus. Zool. zhur. 43 no.2:282-284 '64.   (MIRA 17:6)

1. Otdel bolezney s prirodnoy ochagovost'yu Instituta epidemiologii
i mikrobiologii Akademii meditsinskikh nauk SSR (Moskva).

NIKITINA, N.A.; ZHMAYEVA, Z.M.

Factors determining tick infestation of different types of hosts. Med. paraz. i paraz. bol. 32 no.1:39-43 Ja-F'63.
(MIRA 16:10)

1. Iz otdela infektsiy s prirodnoy ochagovost'yu (zav. - prof. P.A.Petrishcheva) Instituta epidemiologii i mikrobiologii imeni N.F.Gamalei AMN SSSR (dir. - prof. P.A.Vershilova).

ZHMAYEVA, Z. M.,   KARULIN, V. E.,   PCHELKINA, A. A.

"On related epizootics of various infections in nature." p. 104

Desyatoye soveshchaniye po parazitologicheskim problemam i priodnooch-
agovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on
Parasitological Problems and Diseases with Natural Foci 22-29 October
1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and
Academy of Sciences USSR, No. 1 254 pp.

Inst. of Epidemiology and Microbiology, AMS USSR   Moscow

ZHMAYEVA, Z. M., KARULIN, B. E., PCHELKINA, A. A.

"The results of the study of natural Q-fever foci in some areas of the Soviet Union, and the methods of classifying them by type." p. 134

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

S/056/63/044/001/056/087
B164/B102

AUTHORS: Serov, V. I., Zhmaylo, B. A.

TITLE: "Packing" of the excitation levels of light nuclei near the thresholds

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 1, 1963, 332 - 334

TEXT: The concentration of excitation levels near the threshold energies of two-particle decay of the types $A^* \rightarrow X + Y$, $A^* \rightarrow X^* + Y$, which was proved by A. I. Baz (Phil. Mag. Suppl. 8, 349, 1959)), is studied according to a method by Inglis (Nucl. Phys. 30, 1, 1962). Known experimental data are used to analyze the correlation between threshold and level position for nuclei from He^5 to C^{11}. The probability distribution of the occurrence of levels near neutron and charged-particle emission levels concentrate near the the case of neutron emission, the excitation levels concentrate near the threshold, and in the case of charged-particle emission, at a certain distance from it. The concentration of excitation levels near the threshold olds in light nuclei confirms the existence of different nucleon groupings

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S/056/62/043/002/019/053
B104/B108

AUTHOR: Zhmaylo, V. A.

TITLE: Use of an optical potential for estimating the neutron
             absorption cross section of an excited nucleus

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,
             no. 2(8), 1962, 473-475

TEXT: The parameters of the optical potential are estimated on the
assumption that the neutron absorption cross section of an excited
nucleus changes when the nucleon absorption coefficient of the nuclear
matter increases or when the radial nucleon density distribution changes.
The parameters obtained are used to calculate the change in the neutron
absorption cross section of a nucleus during its excitation. It is
shown that for a nuclear excitation energy E_e of ~ 20 Mev and for an
incident neutron energy ε_n of $\sim 1-2$ Mev, $A \sim 100$, the neutron absorption
cross section $\sigma_c(\varepsilon_n, E_e)$ is one and a half to two times as large as
$\sigma_c(\varepsilon_n, E_e = 0)$. The imaginary part of the optical potential is found to

Card 1/2

S/056/62/043/002/019/053
B104/B108

Use of an optical potential ...

change on excitation of the nucleus. This is due to the change in
nucleon energy distribution when the Fermi gas is "heated". The
dependence of the neutron absorption cross section on the excitation
energy shifts the maximum of the neutron evaporation spectrum only by
a few per cent to lower energies. The excited nucleus is assumed to be
in equilibrium.

SUBMITTED: January 15, 1962

Card 2/2

SEROV, V.I.; ZHMAYLO, V.A.

"Compaction" of the excitation levels of light nuclei near the
threshold. Zhur. eksp. i teor. fiz. 44 no.1:332-334 Ja '63.
(MIRA 16:5)

(Quantum statistics)   (Nuclei, Atomic)

L 01074-67   EWT(l)/EWT(m)/EWP(c)/T   IJP(c)

ACC NR: AP6028205   SOURCE CODE: UR/0367/66/003/006/1022/1031

AUTHOR: Zhmaylo, V. A.

ORG: none

TITLE: The Coulomb photodisintegration of the deuteron as a specific case of the three-body problem

SOURCE: Yadernaya fizika, v. 3, no. 6, 1966, 1022-1031

TOPIC TAGS: coulomb field, three body problem, approximation method, deuteron disintegration, coulomb disintegration, wave equation

ABSTRACT: An integral equation, suggested by Baz [Nucl. Phys., 51, 145, 1964] for solving (in a specific case) the three-body problem in quantum mechanics, is being studied in application to the problem of a deuteron disintegration in the Coulomb field of a heavy nucleus. This equation is modified for the purpose of obtaining an equation more suitable for successive approximations, after which the appropriate solution is found. The amplitude for the Coulomb disintegration of the deuteron is expressed in terms of this solution and compared with the corresponding amplitude, found by Landau and Lifshitz [L. D. Landau, Ye. M. Lifshitz. ZLETF,

Cord 1/2

L 01074-67

ACC NR: AP6028205

18, 750, 1948]. The low values of corrections show that the effects, connected with the two-particle character of the deuteron and the difference between the center of mass and the center of charge, are taken into account with good accuracy in the Landau-Lifshitz method, but quite inaccurately in the distorted wave approximation, applied to this problem [C. Wong, R. Gold. Phys. Rev., 132, 1942, 1964]. Orig. art. has: 32 formulas. [Author's abstract]   [AM]

SUB CODE: 20/ SUBM DATE: 28Aug65/ ORIG REF: 004/ OTH REF: 004

Card 2/2   vlr

ZHMEYDO, A. T.

USSR/ Medicine - Cold, Effects of   Feb 1948
        Medicine - Frogs

"Restoration of Vital Functions in Vertebrate Animals Exposed to Freezing,
Depending on Degree of Freezing and Rate of Warming" S. N. Matsko, A. T.
Zhmeydo, V. M. Selivanova, Inst Experimental Physiol and Thereapy, Ministry
Public Health USSR, 4 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 4

Gives details of series of experiments on frogs subjected to various changes
in temperature. Describes processes of ice formation in central parts of
the body. Submitted by Academician I. I. Shmal'gauzen, 4 Dec 1947

PA 43/43T65

ZHMEYDO A. T.

USSR/Medicine - Frogs Temperature, Body   Jul/Aug 49

"Ice Formation and Features of the Body Temperature Curve of Vertebrates in the Process of Freezing," S. N. Matsko, A. T. Zhmeydo, Inst of Experimental Physiol and Therapy, Min of Pub Health RSFSR, 8 pp

"Zool Zhur" No 3

Conducts dissections after freezing of fall-winter and summer frogs at various times after forming of ice in the bodies to establish time required for formation of ice in various organs and changes of body temperature during freezing. Sets up a system of five stages of freezing dependent on organs of the body in which ice is formed Data arranged in four tables.

PA 151T47

MATSKO, S.N., and A.T. ZHMEIDO.

Vliianie, okazyvaemoe nekotorymi veshchestvami na protsess zamerzaniia i na vosstanovlenie zhiznannykh funktsii u podvergnutykh zamorazhivaniiu pozvonochnykh zhivotnykh. (Akademiia nauk SSSR. Doklady, novaia seriia, 1949. t. 69, no. 5, p. 703-706, fig., table.) Title tr.: The influence exerted by certain substances upon the process of freezing and upon the restitution of vital functions in vertebrate animals subjected to freezing.

Contains a study on male frogs injected with 40 percent alcohol, exposed to air temperature of -4° to -6°C. and rewarmed in water of 2°,°C. In the experimental animals, the amount of water frozen in the body at a temperature of -1.5°C. was 21/2 - 8 times smaller than in controls. The lag in ice formation was made pronounced in the alcohol-treated animals than in partly desiccated ones used for comparison. Bibliography (7 items).
Copy seen: DLC.

ZHMEYDO, A.T.
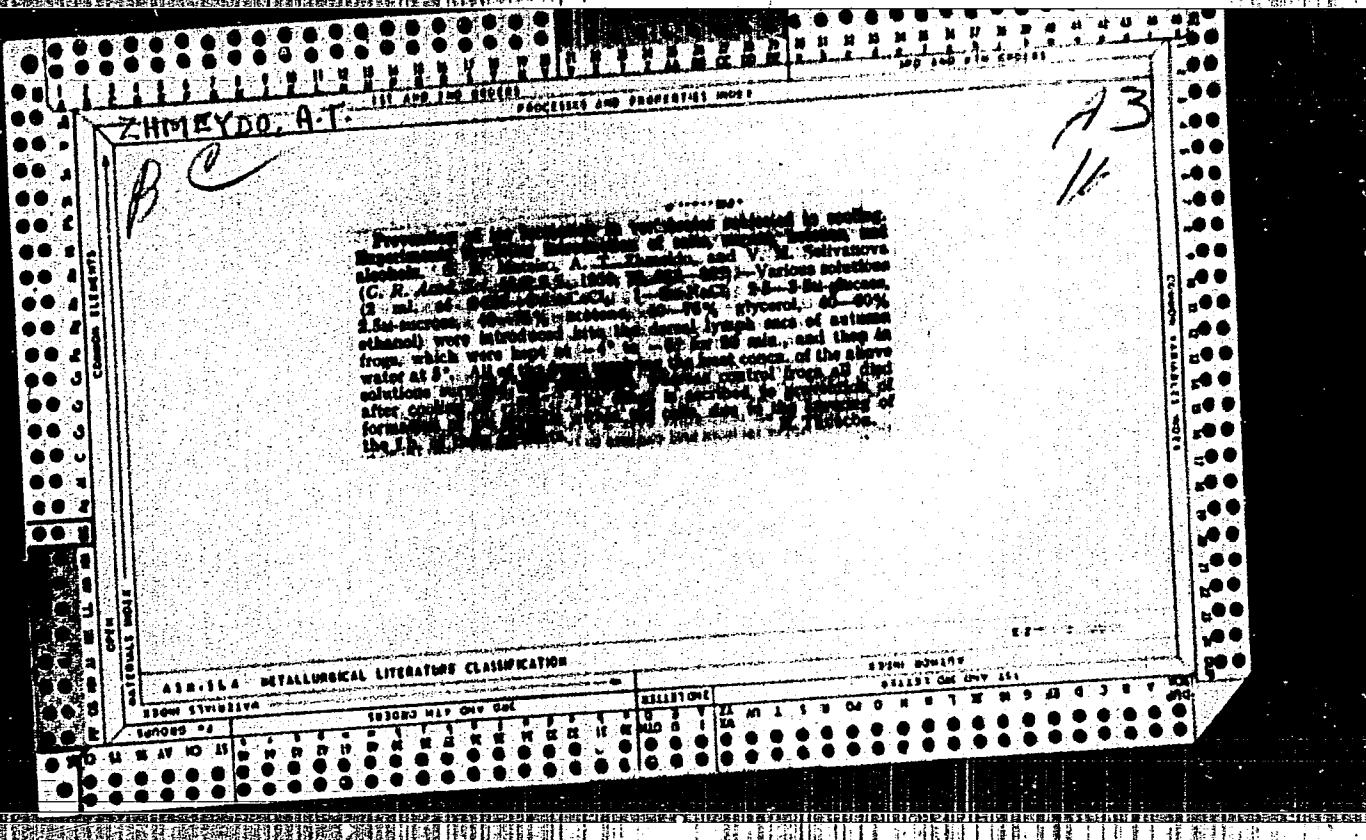
ZHMEN'KO, L. F.

Zhmen'ko, L. F.

"The development of pig embryos and metabolism in pregnant sows with various types of feed." Min Higher Education Ukrainian SSR. Khar'kov Zootechnical Inst. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

BEREZOVSKAYA, N.N.; BESSONOV, S.M.; GALKINA, A.F.; GORBUNOVA, V.I.; GRAFSKAYA, Z.S.; ZHMEIDO, A.T.; LAGUN, G.G.; KALININA, N.N.; KOCHETKOVA, Z.V.; MATSKO, S.N.; ORLOVA, L.V.; TUPIKOVA, A.A.

Results the of vitaminization of food in public eating establishments.
Vop.pit. 15 no.5:37-42 S-O '56.   (MLRA 9:11)

1. Iz laboratorii (zav. - A.Kh.Petrachev) sanitarno-epidemiologicheskoy stantsii Frunzenskogo rayona, iz otdela tekhnologii (zav. - kandidat tekhnicheskikh nauk S.M.Bessonov) Instituta pitaniya AMN SSSR i iz A.D.Ye - vitaminnogo otdela (zav. - prof. S.N.Matsko) Gosudarstvennogo nauchno-issledovatel'skogo instituta vitaminologii Ministerstva zdravo-okhraneniya SSSR, Moskva.
            (FOOD,
                vitamin supplement, results (Rus))
            (VITAMINS,
                supplement in food (Rus))

ANISOVA, A.A., ZHMEYDO, A.T., GORBUNOVA, V.I. SPIRINA, V.P.

Vitamin C indexes in preschool children. Pediatriia 36 no.6:56-59
Je '58
(MIRA 11:6)

1. Iz otdela fiziologii Instituta pediatrii Ministerstva zdravo-
okhraneniya RSFSR (zav. - doktor med.nauk N.Ye. Ozeretskovkaya)
i A.D.E. vitaminnogo otdela (zav. - prof. S.N. Matsko) Instituta
vitaminologii Ministerstva zdravookhraneniya SSSR.
(VITAMIN C, metab.
utilization, eff. of decreased allottment in pre-
school child. (Rus))
(CHILD
eff. of decreased vitamin C allottment on pre-
school age child. (Rus))

ABEZGAUZ, N.N.; ANISOVA, A.A.; GORBUNOVA, V.I.; ZHMEYDO, A.T.; LEONTOVICH, V.A.

Effect of C-vitaminization of donors on the preservation of the
phagocytic reaction and the vitamin C level in leucocytes stored
under refrigeration. Probl. gemat. i perel. krovi 10 no.1:45-47
Ja '65.   (MIRA 19:1)

1. Laboratoriya konservirovaniya krovi (zav. - prof. F.R. Vinograd-
Finkel') TSentral'nogo instituta gematologii i perelivaniya krovi
Ministerstva zdravookhraneniya SSSR i vitaminnaya laboratoriya
(zav. - prof. S.N. Matsko) Instituta vitaminologii, Moskva.

MATSKO, S.N.; GORBUNOVA, V.I.; ANISOVA, A.A.; ZHMEYDO, A.T.

Criteria for vitamin C requirements; observations on children.
Vop. pit. 21 no.6:52-56 N-D '62.   (MIRA 17:5)

1. Iz Nauchno-issledovatel'skogo instituta vitaminologii Ministerstva
zdravookhraneniya SSSR, Moskva.

ZHMEYDO, A.T.; GRAFSKAYA, Z.S.; CHERNIKOVA, N.V.

Producing "pure" vitamin D deficiency in rats. Vop.pit 21 no.4:
71-74 Jl-Ag '62.   (MIRA 15:12)

1. Iz Nauchno-issledovatel'skogo instituta vitaminologii
Ministerstva zdravookhraneniya SSSR, Moskva.
          (DEFICIENCY DISEASES)   (VITAMINS—D)

ZHMIGRODZKIY

POLAND/ Microbiology. General Microbiology   F-1

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24061

Author   : Khodkovskiy, Parnas, Zhmigrodzkiy
Inst   : Not given
Title   : Further Study of Atypical Forms of Brucella Iso-
           lated in Poland.

Orig Pub: Med. doswiad. i mikrobiol., 1957, 9, No 3, 275-279

Abstract: No abstract.

Card 1/1

L 1054-66   EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) JD

ACCESSION NR: AP5022581   UR/0129/65/000/009/0042/0046
                                            669.14.018.25

AUTHOR: Zhmikhorskiy, E. (Zmihorski, E.) (Warsaw)

TITLE: Modified high-speed steels with a high carbon content

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 9, 1965, 42-46

TOPIC TAGS: carbon steel, high speed steel, hardness, electromagnetic property, metal heat treatment, toughness

ABSTRACT: High-carbon high-speed steels are more wear-resistant as well as more economical with respect to the content of alloy elements. In this connection, the author investigated the effect of different types of heat treatment on the structure, hardness, wear resistance, toughness, and electromagnetic properties of experimental melts of Polish high-speed steels SWC (1.19% C, 0.3-0.6% Mn, 0.47% Si, 3.54% Cr, 8.4% W, 2.1% V, 0.28% Ti, 0.28-0.6% Al, 0.28% Ni, 0.10% Cu), SWC12 (1.13% C, 0.77% Mn, 0.28% Si, 4.2% Cr, 11.9% W, 2.47% V, 0.29% Ti), and SWC18 (1.24% C, 0.3% Mn, 0.19% Si, 4.17% Cr, 17.1% W, 1.4% V, 0.19% Ni, 0.14% Cu). Specimens of these steels were quenched from 900-1240°C (and in isolated instances,

Card   1/2

L 1054-66

ACCESSION NR: AP5022581

from 1280°C) and subsequently tempered at 175, 550, 570, 600, and 650°C for 1 hr. Then their mechanical properties were examined with the aid of different testing machines and their electromagnetic properties, with the aid of a Cornelius electronic device for nondestructive testing. Findings: the required hardening temperature for the steels SWC, SWC12, and SWC18 decreases with increasing hardening time and vice versa, and optimally it is 1050-1200°C. The hardness of high-speed steels may remain the same following different regimes of heat treatment. Comparisons with the classical high-speed steels 18-4-1 and with the German high-grade high-speed steel E18Co5 show the Polish SWC steel is not inferior in strength and toughness to these standard high-speed steels. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 00   ENCL: 00   SUB CODE: MM

NO REF SOV: 001   OTHER: 008

Card 2/2

ZHMIKHORSKIY, E. (Varshava)

Inoculated high speed steels with an increased carbon content.
Metalloved. i term.obr.met. no.9:42-46 S '65.

(MIRA 18:10)

ZHMIKHOVSKA, VIKTORIYA

Zhmikhovska, Viktoriya   "A comparative evaluation of methods
    of treating acute odontogenic inflammatory processes of
    the maxillary-facial region." Min Health RSFSR. Moscow
    Medical Stomatological Inst. Moscow, 1956. (Disserta--
    tion for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; 111.

ZHMIYEVSKAYA, L.Ya., inzh.; ANDZHEYEVSKIY, B.N., inzh.

Agricultural machinery industry in the Polish People's Republic.
Trakt.i sel'khozmash. no.8:42-43 Ag '59.   (MIRA 12:11)
(Poland--Agricultural machinery industry)

BIRICH, T.B., prof.; KANTOR, D.V., dotsent; IVANENKO, L.M., ordinator; ZHMIYEVSKAYA, N.Ye., ordinator

Eye injuries in Minsk industrial establishments and measures for preventing them. Zdrav. Belor. 4 no.2:47-48 F '58.   (MIRA 13:8)
(MINSK—INDUSTRIAL HYGIENE)
(EYE—WOUNDS AND INJURIES)

LUKACHER, G.Ya., kand.med.nauk; FAL'CHUK, A.Ya.; ZHMOTOVA, Ye.A.

Medical expertise of the capacity for work and rehabilitation of
persons following surgery for hernia of an intervertebral disk
and hypertrophy of the ligamentum flavum of the lumbar region. Sov.
med. 28 no.3:104-108 Mr '65.   (MIRA 18:10)

1. Nevrologicheskoye otdeleniye (zav. - kand.med.nauk G.Ya.
Lukacher) 41-y gorodskoy bol'nitsy ekspertizy vremennoy
netrudosposobnosti (glavnyy vrach N.A.Magnitskaya) i
Neyrokhirurgicheskoye otdeleniye (nauchnyy rukovoditel' -
prof. I.M.Irger) klinicheskoy bol'nitsy imeni S.P.Botkina
(glavnyy vrach - dotsent Yu.G.Antonov), Moskva.

KULIKOV, I.S.; ZHMOUDIN, G.I.

Diagrams of the desulfurating ability and the viscosity of
blast furnace slags. Trudy Inst. met. no.12:13-15 '63.
(MIRA 16:6)

(Slag—Testing)
(Desulfuration)
(Viscosity)

ZHMOYDIN, G.I.(Moskva); KULIKOV, I.S.(Moskva)

Physical properties of blast furnace slags and the effect on
them of magnesium oxide, sulfur, manganese and iron. Izv.
AN SSSR. Otd. tekh. nauk. Met.i topl. no.5:25-32 S-O '60.
(MIRA 13:11)

(Slag--Testing) (Viscosimetry)

KUZIPOV, I.S.; ZHMOYDIN, G.I.

Activity of calcium oxides and sulfides in slag according to
data on sulfur vaporization from slag and on the distribu-
tion between the cast iron and slag. Trudy Inst. met. no.14:
3-12 '63.   (MIRA 17:8)

ZHMOYDIN, G.I. (Moskva); KULIKOV, I.S. (Moskva)

Sulfur distribution between carbon-saturated iron and molten
calcium oxide - alumina. Izv. AN SSSR. Otd. tekh. nauk. Met.
i gor. delo no.3:70-75 My-Je '63.   (MIRA 16:7)
          (Iron-Metallurgy) (Desulfuration) (Slag)

ZHMUD, A. YE.   DECEASED   1963/1

                                 c. 1961

ENGINEERING

                          SEE   ILC

ZHMUD', E.M. (Khar'kov)

Irreducible isomorphic linear representations of finite
groups. Uch.zap.KHGU 80:199-204   '57.   (MIRA 12:11)
      (Groups, Theory of)

PA-246T90

ZHMUD', E. M.

USSR/Mathematics - Quadratic Forms   Mar/Apr 53

"Whole-Number Transformations of Quadratic Forms,"
E.M. Zhmud', Khar'kov

"Mat. at Sbornik" Vol 32 (74), No. 2, pp 287-344

A study of the behavior of invariants and char-
acters of integral-number quadratic forms of n
variables during their transformations by integral-
number linear substitutions with determinant
greater than unity. Aim is to generalize the fa-
miliar Gauss formula giving the dependence between
number of classes of properly primitive binary
forms of determinants D and Dm^2 (m: integer) to
the case of quadratic forms of any number of vari-
ables.   246T90

ZHMUD', E. M.

Homomorphism kernels of linear representations of finite groups.
Mat. sbor. 44 no.3:353-408 Mr '58.
(Groups, Theory of)   (MIRA 11:5)

AUTHOR: Zhmud', E.M. (Khar'kov)

                                                              39-44-3-3/3
TITLE: On Homomorphy Kernels of Linear Representations of Finite
             Groups (O yadrakh gomomorfizmov lineynykh predstavleniy ko-
             nechnykh grupp)

PERIODICAL: Matematicheskiy Sbornik, 1958, Vol 44, Nr 3, pp 353-408 (USSR)

ABSTRACT: The present paper is a development of the author's publica-
             tion [Ref 8] of two years ago concerning isomorphic linear re-
             presentations of finite groups. Let $\mathcal{G}$ be a finite group and

             P a field, the characteristic of which does not divide the
             order of the group. The normal subgroup $\mathcal{H}$ of $\mathcal{G}$ is called

             k-kernel, if $\mathcal{H}$ is the homomorphy kernel of a linear represen-
             tation of $\mathcal{G}$ which is decomposed into k irreducible components
             in P.

             In § 1 besides of the k-kernels the author considers a certain
             orthogonal system $s_i^{(k)}(X)$ $(i = 1, 2, \ldots, m_k)$ which depends on
             the characters of the groups and which is defined on the set

             $\mathcal{E}_k(\mathcal{G})$ of the systems $X = \{G_1, \ldots, G_k\}$ of k elements of $\mathcal{G}$.

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On Homomorphy Kernels of Linear Representations of Finite   39-44-3-3/3
Groups

The determination of explicit expressions for these functions leads to necessary and sufficient conditions for a normal subgroup of $\mathcal{U}$ to be a k-kernel. The elements of $\mathcal{E}_k(\mathcal{G})$ are divided into classes: Let $X \in \mathcal{E}_k(\mathcal{U})$ and $\mathcal{W}_X$ be the minimum normal subgroup of $\mathcal{G}$ containing the system X. Then let be $X_1 \approx X_2$, if $\mathcal{W}_{X_1} = \mathcal{W}_{X_2}$. It is shown that: 1. The number of the functions $s^k(x)$ is equal to the number of the classes of the systems of k elements of $\mathcal{U}$; 2. from $X_1 \approx X_2$ it follows $s_i^{(k)}(X_1) = s_i^{(k)}(X_2)$, 3. the orthogonal system $\left\{ s_i^{(k)}(x) \right\}$ is complete in the class of the functions which are invariant on the classes of k-systems. From the first property it follows: The number of the k-kernels of $\mathcal{U}$ is equal to the number of the subgroups which are generated of k classes of conjugate elements of $\mathcal{U}$.
In § 2 it is proved that the classes of the set $\mathcal{E}_k(\mathcal{G})$ generate a certain noncommutative semisimple algebra $\mathcal{A}_k$. The pro-

Card 2/4

perties of $\mathcal{A}_k$ are used in order to extend the results of

§ 1 to a ground field of arbitrary characteristic.

In § 3 the special case k = 1 is considered in detail. Let

J_i (i=1,...,m) be the homomorphy kernels of the irreducible

representations of $\mathcal{U}$. As the adjoint representation Π_i

of $\mathcal{U}$ the author denotes the greatest component (with respect

to the number of the irreducible parts)of a regular represen-
tation of $\mathcal{U}$, all the irreducible parts of which possess

the homomorphy kernel J_i. The functions $s_i^{(k)}(X)$ are trans-

formed for k = 1 into the traces $s_i(G)$ (i=1,...,m) of the ad-

joint representations, The classes of $\mathcal{E}_k(\mathcal{U})$ are transformed

into sets of elements of $\mathcal{U}$ - "expanded classes". Properties

of the traces and of the "expanded classes" are considered,
furthermore the algebra $\mathcal{A}$ which is generated by the expand-
ed classes of $\mathcal{U}$.

Card 3/4

On Homomorphy Kernels of Linear Representations of
Finite Groups

39-44-3-3/3

§ 4 is devoted to a detailed study of the functions $s_i^{(k)}(x)$
for which a product representation is obtained.
There are 10 references, 1 of which is Soviet, 1 English,
1 American, 4 German, and 3 Japanese.

SUBMITTED: April 24, 1956

AVAILABLE: Library of Congress

1. Finite groups - Mathematical analysis   2. Algebra -
    Theory

Card 4/4

USCOMM-DC-54,998

ZHMUD', E.M.

Theoretical and group function of Möbius and Delsarte and theory
of linear representations of finite groups. Izv.vys.ucheb.zav.;
mat. no.1:133-141 '57.   (MIRA 12:10)

1. Khar'kovskiy inzhenerno-ekonomicheskiy institut.
            (Groups, Theory of)

ZHMUD', E.M.

Representations of finite Abelian groups by substitutions.
Uch.zap.KHGU 115:131-134 '61.   (MIRA 17:5)

ZHMUD', B.M. (Khar'kov)

Isomorphic linear representations of finite groups. Mat.sbor. 38
no.4:417-430 Ap '56.   (MLRA 9:8)
                    (Groups, Theory of)

ZHMUD', L.B. (Rostov-na-Donu, pr. Chekhova, d. 38/40, kv. 68)

    A case of foreign body in the appendix. Vest. rent. i rad. 34 no.1:
79-80 Ja-F '59.   (MIRA 12:3)

    1. Iz Gordskoy bol'nitsy No. 2 Rostova-na-Donu (glavnyy vrach A.G.
Schastnyy).
             (APPENDIX, for. body
                needle (Rus))

ZHMUD', L.B.

    Case of congenital anomaly of the urinary tract. Vestn. rent.
i rad. 38 no.3:80 My-Ke '63.   (MIRA 17:7)

    1. Iz 2-y gorodskoy imeni Lenina bol'nitsy (glavnyy vrach
A.G. Schastnyy) Rostova-na-Donu.

ZHMUD', L.B.; ZOLOTAREVA, V.S.

Case of multiple hemangioendothelioma of the mediastinum and
the bones of the lower extremities. Vest. rent. i rad. 40
no.1:67-69 Ja-F '65. (MIRA 18:6)

1. Gorodskaya bol'nitsa No.2 imeni V.I. Lenina (glavnyy vrach
I.O. Schastnyy), Rostov-na-Donu.

ZHMUD', L.B.

A case of congenital diaphragmatic hernia with other anomalies. Vest.
rent. 1 rad. 33 no.6:85-86 N-O '58.   (MIRA 12:1)

1. Iz Gorodskoy bol'nitsy No.2 Rostova-na-Donu (glavnyy vrach A. G.
Schastnyy).
            (HERNIA, DIAPHRAGMATIC, case reports
                congen., with multiple abnorm. (Rus))
            (ABNORMALITIES, case reports
                multiple, with congen. diaphragmatic hernia (Rus))

ZHMUD', L.B.

Case of benign hemangioendothelioma of the pancreas. Vest. rent.
i rad. 39 no.5:63 S-O '64.   (MIRA 18:3)

1. Gorodskaya bol'nitsa No.2 imeni Lenina, Rostov-na-Donu.

ZHMUD', Ye.S.; BORONIN, V.S.; POLTORAK, O.M.

Dispersity of platinum on silica gel from X-ray study and hydrogen
chemisorption data. Zhur. fiz. khim. 39 no.3:809-811 Mr '65.
(MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

S/078/62/007/011/002/005
B101/B186

AUTHORS: Zhmud', Ye. S., Ivanova, A. B., Kotlyar, A. A., Ostapchenko, Ye. P.

TITLE: X-ray examination of melts in the BaO - GeO₂ system

PERIODICAL: Zhurnal neorganicheskoy khimii, v..7, no. 11, 1962, 2581-2590

TEXT: Mixtures of $BaCO_3$ with GeO_2 in which both components varied between 0-100 mole% were sintered at 920-1250°C in air or at 920°C in a hydrogen atmosphere. X-ray spectra were recorded under CuK_α radiation using the aragonite type of $BaCO_3$ and rhombohedral GeO_2. The lattice constants of these compounds agreed with published data (A. I. Kitaygorodskiy, Rentgenostrukturnyy analiz melkokristallicheskikh i amorfnykh tel (X-ray Analysis of Fine-crystalline and Amorphous Substances), Gostekhizdat, 1950)). Results.   (1) Specimens sintered at 1050°C in air with a $BaCO_3:GeO_2$ ratio = 1:1 formed a single phase. On the basis of data obtained by H. Koelmans, C.M.C. Verhagen (J. Electrochem. Soc., 106, 677 (1959)), the single phase was identified as $BaGeO_3$; it was present in a ratio of up to 1:3.   Using $BaCO_3:GeO_2$ = 1:2, $BaGe_2O_5$ was formed, and using ratios of 2:8 and 1:3, the specimen contained unchanged GeO_2 as well as $BaGe_2O_5$. Using

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the ratios 6:4, 2:1, 7:3, 3:1, 4:1, and 5:1, Ba_2GeO_4 was formed which, at 2:1, is present as a single phase; this was identified from the similarity of its structure to that of Ba_2SiO_4 (A. Austin, J. Amer. Ceram. Soc., 30, 218 (1947)). Using even higher proportions of $BaCO_3$ gave rise to lines which were attributed to various barium hydroxides. (2) At 1250°C in air it was found that specimens containing 0-30% GeO_2 and 100-70% BaO produced BaO + Ba_2GeO_4; those with a content of 30-50% GeO_2 produced $BaGeO_3$ + Ba_2GeO_4; those with 50-100% GeO_2 gave rise to $BaGeO_3$ + GeO_2; but $BaGe_2O_5$ is not formed, for at this temperature it readily decomposes into $BaGeO_3$ + GeO_2. (3) At 920°C in a hydrogen atmosphere, using a $BaO:GeO_2$ ratio of 9:1, the phase composition was $BaCO_3$ + X + traces of $BaGeO_4$, where X denotes an unidentified phase probably consisting of various barium hydroxides. For ratios from 5:1 to 7:3 the composition is Ba_2GeO_4 + X; at 2:1 the Ba_2GeO_4 occurs as a single phase; using 6:4 to 1:3 there are traces of Ge along

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with the Ba_2GeO_4; using 2:8 there is Ba_2GeO_4 + Ge, and for 1:9 there is Ge + Ba_2GeO_4. This paper was presented at the VII Nauchno-tekhnicheskoye soveshchaniye po primeneniyu rentgenovskikh luchey k issledovaniyu materialov (7th Scientific and Technical Conference on the Application of X-rays to Examination of Materials). Leningrad, 1961. There are 5 figures and 4 tables.

SUBMITTED: February 23, 1962

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S/192/61/002/001/002/006
B107/B218

5.2200   1043   1273   1136

AUTHORS: Zhmud', Ye. S. and Ostapchenko, Ye. P.

TITLE: Radiographic study of the systems BaO - WO_3, BaO - MoO_3, and
              BaO - Ta_2O_5

PERIODICAL: Zhurnal strukturnoy khimii, v. 2, no. 1, 1961, 33-45

TEXT: The authors radiographically investigated the different phases of the
systems BaO - WO_3, BaO - MoO_3, and BaO - Ta_2O_5. The compounds of these
systems are of interest for developing thermionic emitters. The samples
were prepared by annealing mixtures of $BaCO_3$ and Me oxide (Me = W, Mo, Ta)
in the air, or in hydrogen. The samples were heated at $100°C/hr$, and after
two hr cooled in the furnace. For this investigation, РКД (RKD) cameras
(diameter 57.3 mm) were attached to the apparatus УРС-55 (URS-55) and
УРС-70 (URS-70) (copper emission). Besides, a device of the type УРС-50И
(URS-50I) for recording the ionization of the scattered emission (scanning
rate $2°/min$) was used. The study of the system BaO - WO_3 at $1,200°C$ led to

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the following results: $BaO \cdot WO_3$, tetragonal, a being 5.56, and c being
12.76 A; $3BaO \cdot WO_3$, pseudocubic, face-centered, a being 8.61; $2BaO \cdot WO_3$, structure unknown. The d values for these compounds are given in Table 3. When storing in the open air at room temperature, tungstates remain unchanged for several months. An electron-microscope study with the microscope ЭM-3 (EM-3) showed that, contrary to the other tungstates, $3BaO \cdot WO_3$ is needle-shaped. Mixtures with a molar ratio $BaCO_3 : WO_3 < 2:3$ melted on heating. After careful studies, the authors came to the conclusion that a compound $BaO \cdot 2WO_3$ forms, which melts at 940-950°C. $BaO \cdot WO_3$ was found to form already after 2-hr heating at 850°C. Table 4 gives data on the phases of the system $BaO - MoO_3$. The X-ray pictures are very similar to those of tungstates of analog composition. The authors also synthesized $2BaO \cdot MoO_3$ which is, however, unstable and decomposes within a few days. In the system $BaO - Ta_2O_5$, the authors synthesized five barium tantalates, by working with hydrogen atmosphere, and at different temperatures: $5BaO \cdot Ta_2O_5$,

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$4 BaO \cdot Ta_2O_5$, $7BaO \cdot 3Ta_2O_5$, $BaO \cdot Ta_2O_5$, and $3BaO \cdot Ta_2O_5$. It is possible that the compounds $7BaO \cdot Ta_2O_5$ and $3BaO \cdot Ta_2O_5$ are actually $2.5BaO \cdot Ta_2O_5$ and $BaO \cdot 2.5Ta_2O_5$ respectively. The experimental results are given in Table 5. Table 6 shows the d values for the following compounds: $7BaO \cdot 3Ta_2O_5$, $4BaO \cdot Ta_2O_5$, and $5BaO \cdot Ta_2O_5$. Practically, the same results were obtained when heating the system $BaO - Ta_2O_5$ in air to 1,100, 1,200, and 1,300°C. Nevertheless, the authors state that the results concerning the above system are not yet and need a further proof. There are 7 figures, 6 tables, and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The three references to English language publications read as follows: E. G. Steward, H. P. Rooksby. Nature, 157, 548 (1946); R. C. Hughes, P. P. Coppola, T. H. Evans. J. Appl. Physics, 23, no. 6, 635 (1952); E. G. Steward, H. P. Rooksby. Acta crystallogr., 4, 503 (1951).

SUBMITTED: February 28, 1959

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Table 3: Relative intensities and spacings of the roentgenograms of barium tungstates.
Legend: 1) number of the line

№ линии[1]	I	d(Å)	№ линии[1]	I	d(Å)	№ линии[1]	I	d(Å)	№ линии[1]	I	d(Å)
BaO·WO₄			2BaO·WO₄						3BaO·WO₄		
1	100	3,34	1	44	3,50	17	9	1,89	1	100	3,05
2	33	3,17	2	17	3,32	18	26	1,84	2	5	2,58
3	44	2,78	3	100	3,16	19	35	1,76	3	29	2,15
4	68	2,09	4	87	3,07	20	14	1,74	4	38	1,76
5	18	1,97₄	5	62	2,97	21	33	1,71	5	7	1,65
6	35	1,85₆	6	46	2,84	22	22	1,68	6	13	1,52
7	47	1,69₆	7	44	2,72	23	24	1,66	7	7	1,46
8	37	1,67₃	8	31	2,64	24	21	1,63	8	12	1,36₂
9	16	1,57₆	9	22	2,40	25	15	1,59	9	2	1,31₆
10	13	1,37₃	10	17	2,26	26	11	1,55	10	3	1,27₆
11	27	1,35₁	11	25	2,21	27	4	1,49₄	11	4	1,23₆
12	14	1,28₆	12	22	2,18	28	15	1,45₂	12	3	1,20₄
13	8	1,25₆	13	49	2,10	29	32	1,43₂	13	7	1,15₄
14	14	1,23₆	14	10	2,07	30	8	1,39₆	14	3	1,12₁
15	7	1,20₆	15	40	1,95	31	14	1,36₀			
16	14	1,10₃	16	9	1,91	32	13	1,32₇			

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Table 4: Experimental results of the system BaO - MoO$_3$, annealing in air.
Legend: 1) BaCO$_3$:MoO$_3$ in mole%; 2) phase composition of the samples after
2-hr heating in air to ...°C; *temperature rise within about 4 hr, cooling
in the furnace; **temperature rise within about 5 hr, cooling in the furnace;
***temperature rise within about 6 hr, cooling in the furnace; ****tempera-
ture rise at 100°C/hr, cooling in the furnace; 3) the sample volatized;
следы - traces.

Table 5: Experimental results of the system BaO - Ta$_2$O$_5$, annealing in
hydrogen.
Legend: 1) phase composition of the samples after 2-hr heating in hydrogen
to ...°C; следы - traces.

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остав образцов, прокаленных

① Фазовый состав (500 °C)

④ $BaCO_3 : MoO_3$ (молярные %)

Фазовый состав (500 °C)	Отношение	Молярные %
$BaCO_3 + BaO \cdot MoO_3 + $ следы MoO_3	9:1	90:10
	5:1	83,34:16,66
$BaCO_3 + BaO \cdot MoO_3 + MoO_3$	4:1	80:20
	3:1	75:25
	7:3	70:30
$BaO \cdot MoO_3 + MoO_3 + BaCO_3$	2:1	66,67:33,33
$BaO \cdot MoO_3 + MoO_3 + BaCO_3 + (?)$ следы $BaO \cdot 2MoO_3$	3:2	60:40
	1:1	50:50
$BaO \cdot MoO_3 + MoO_3 + BaCO_3 + (?)\, BaO \cdot 2MoO_3$	2:3	40:60
$MoO_3 + BaO \cdot MoO_3 + (?)BaO \cdot 2MoO_3 + BaCO_3$	1:2	33,33:66,67
	3:7	30:70
$MoO_3 + BaO \cdot MoO_3 + BaCO_3 + (?)\, BaO \cdot 2MoO_3$	1:4	20:80
	1:9	10:90

остав образцов, прокаленных 500 °C:
- $BaCO_3 + BaO \cdot MoO_3$
- $BaO \cdot MoO_3 + BaC_3O$
- $BaO \cdot 2MoO_3$
- $BaO \cdot MoO_3 + BaO \cdot 2MoO_3$
- образец улетучился ④

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Radiographic study	на воздухе в течение 2 часов при температурах:	
	1000 °C***	1200 °C****
Table 5 CONT.	BaCO$_3$ + 2BaO·MoO$_3$ + + следы 3BaO·MoO$_3$	BaCO$_3$+3BaO·MoO$_3$+ + (?) следы BaO·MoO$_3$ + (?)
		3BaO·MoO$_3$+(?) BaO·MoO$_3$ + +(?)следы 2BaO·MoO$_3$+BaCO$_3$+(?)
		3BaO·MoO$_3$ + (?) BaO·MoO$_3$+ +BaCO$_3$+(?)следы 2BaO·MoO$_3$+(?)
	BaCO$_3$ + 2BaO·MoO$_3$ + + следы 3BaO·MoO$_3$+ BaO·MoO$_3$	2BaO·MoO$_3$+(?) BaCO$_3$+ +(?) BaO·MoO$_3$
	BaO·MoO$_3$ + 2BaO·MoO$_3$ + + (?) следы BaCO$_3$	BaO·MoO$_3$+2BaO·MoO$_3$+(?) BaCO$_3$
	2BaO·MoO$_3$+BaO·MoO$_3$+(?)BaCO$_3$	BaO·MoO$_3$+2BaO·MoO$_3$+ + (?) следы BaCO$_3$
	BaO·MoO$_3$ + 2BaO·MoO$_3$	BaO·MoO$_3$ + 2BaO·MoO$_3$
	BaO·MoO$_3$	BaO·MoO$_3$
	BaO·MoO$_3$+следы BaO·2MoO$_3$	BaO·MoO$_3$+ (?) следы BaO·2MoO$_3$
	BaO·MoO$_3$ + BaO·2MoO$_3$ + (?)	
	⊕ образец улетучился	⊕ образец улетучился

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Radiographic study

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$\frac{BaCO_3}{Ta_2O_5}$	Фазовый состав образцов, пр.	
	1100°С	1000°С
9:1 / 7:1	$5BaO \cdot Ta_2O_5 + (?)$	$5BaO \cdot Ta_2O_5 + (?)$
:1	$5BaO \cdot Ta_2O_5$	$5BaO \cdot Ta_2O_5$
5:1	$5BaO \cdot Ta_2O_5 +$ $+$ следы $4BaO \cdot Ta_2O_5$	$5BaO \cdot Ta_2O_5 +$ $+$ следы $7BaO \cdot 3Ta_2O_5$
4:1	$5BaO \cdot Ta_2O_5 + 4BaO \cdot Ta_2O_5$	$5BaO \cdot Ta_2O_5 + 7BaO \cdot 3Ta_2O_5 +$ $+$ следы $BaO \cdot Ta_2O_5$
3:1	$4BaO \cdot Ta_2O_5 + 7BaO \cdot 3Ta_2O_5 +$ $+$ следы $5BaO \cdot Ta_2O_5$	$5BaO \cdot Ta_2O_5 + 7BaO \cdot 3Ta_2O_5 +$ $+$ следы $BaO \cdot Ta_2O_5$
7:3	$7BaO \cdot 3Ta_2O_5 + 4BaO \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 + 5BaO \cdot Ta_2O_5 +$ $+$ следы $BaO \cdot Ta_2O_5 +$ $+$ следы $\beta \cdot Ta_2O_5$
2:1	$7BaO \cdot 3Ta_2O_5 +$ $+$ следы $3BaO \cdot 7Ta_2O_5 +$ $+$ следы $\beta \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 +$ следы $BaO \cdot$ $\cdot Ta_2O_5 +$ следы $\beta \cdot Ta_2O_5$
3:2	$7BaO \cdot 3Ta_2O_5 +$ $+ 3BaO \cdot 7Ta_2O_5 + \beta \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 + BaO \cdot Ta_2O_5 +$ $+ \beta \cdot Ta_2O_5$
1:1	$7BaO \cdot 3Ta_2O_5 +$ $+ 3BaO \cdot 7Ta_2O_5 + \beta \cdot Ta_2O_5$ $+$ следы $BaO \cdot Ta_2O_5 + \beta \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 + \beta \cdot Ta_2O_5 +$ $+ BaO \cdot Ta_2O_5$
2:3	$3BaO \cdot 7Ta_2O_5 + \beta \cdot Ta_2O_5 +$ $+ 7BaO \cdot 3Ta_2O_5 + BaO \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 + \beta \cdot Ta_2O_5 +$ $+ BaO \cdot Ta_2O_5$
3:7	$\beta \cdot Ta_2O_5 + 3BaO \cdot 7Ta_2O_5 +$ $+ BaO \cdot Ta_2O_5$	$\beta \cdot Ta_2O_5 + BaO \cdot Ta_2O_5 +$ $+ 7BaO \cdot 3Ta_2O_5$
1:4	$\beta \cdot Ta_2O_5 + 3BaO \cdot 7Ta_2O_5$	$\beta \cdot Ta_2O_5 + BaO \cdot Ta_2O_5$
1:0 / 0:1	$\beta \cdot Ta_2O_5$	$\beta \cdot Ta_2O_5$

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Radiographic study ...

железных и водороде в течение 2 часов при температурах	1500°C										1600°C
	$5BaO \cdot Ta_2O_5 + (?)$	$5BaO \cdot Ta_2O_5 +$ $+$ следы $4BaO \cdot Ta_2O_5$	$4BaO \cdot Ta_2O_5 +$ $+ 5BaO \cdot Ta_2O_5$	$4BaO \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 +$ $+ 4BaO \cdot Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 +$ $+ 3BaO \cdot 7Ta_2O_5$	$3BaO \cdot 7Ta_2O_5 +$ $+ BaO \cdot Ta_2O_5 +$ $+$ следы $7BaO \cdot 3Ta_2O_5$	$3BaO \cdot 7Ta_2O_5 + (?)$	$3BaO \cdot 7Ta_2O_5 + \alpha \cdot Ta_2O_5$	$\alpha \cdot Ta_2O_5 +$ $+$ следы $3BaO \cdot 7Ta_2O_5$	$5BaO \cdot Ta_2O_5 + (?)$
1300°C	$5BaO \cdot Ta_2O_5 + (?)$	$5BaO \cdot Ta_2O_5$	$5BaO \cdot Ta_2O_5 + 4BaO \cdot Ta_2O_5$	$4BaO \cdot Ta_2O_5 +$ $+$ следы $5BaO \cdot Ta_2O_5$	$4BaO \cdot Ta_2O_5 + 7BaO \cdot 3Ta_2O_5$	$7BaO \cdot 3Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 + 3BaO \cdot 7Ta_2O_5$	$7BaO \cdot 3Ta_2O_5 + 3BaO \cdot$ $\cdot 7Ta_2O_5 + BaO \cdot Ta_2O_5$	$3BaO \cdot 7Ta_2O_5 + BaO \cdot Ta_2O_5 +$ $+ 7BaO \cdot 3Ta_2O_5 +$ следы $-$ $\beta \cdot Ta_2O_5$	$3BaO \cdot 7Ta_2O_5 + \beta \cdot Ta_2O_5 +$ следы $\alpha \cdot Ta_2O_5 +$ следы BaO $\cdot Ta_2O_5 \cdot$ $\cdot 3Ta_2O_5$	

$5BaO \cdot Ta_2O_5 + 4BaO \cdot Ta_2O_5$

$4BaO \cdot Ta_2O_5 + 5BaO \cdot Ta_2O_5$

$4BaO \cdot Ta_2O_5 + 7BaO \cdot 3Ta_2O_5$

$7BaO \cdot 3Ta_2O_5 + 4BaO \cdot Ta_2O_5$

$7BaO \cdot 3Ta_2O_5 + 3BaO \cdot 7Ta_2O_5$

$3BaO \cdot 7Ta_2O_5 + 7BaO \cdot$ $\cdot 3Ta_2O_5 + BaO \cdot Ta_2O_5$

$3BaO \cdot 7Ta_2O_5 + BaO \cdot Ta_2O_5 +$ $+$ следы $7BaO \cdot 3Ta_2O_5$

$3BaO \cdot 7Ta_2O_5 + BaO \cdot Ta_2O_5 +$ $+$ следы $\alpha \cdot Ta_2O_5 +$ $+$ следы $7BaO \cdot 3Ta_2O_5$

$3BaO \cdot 7Ta_2O_5 + BaO \cdot Ta_2O_5 +$ $+$ следы $\alpha \cdot Ta_2O_5$

$3BaO \cdot 7Ta_2O_5 + \alpha \cdot Ta_2O_5 +$ $+ BaO \cdot Ta_2O_5$

$\alpha \cdot Ta_2O_5 + 3BaO \cdot 7Ta_2O_5$

$\alpha \cdot Ta_2O_5$

$\beta \cdot Ta_2O_5 + \alpha \cdot Ta_2O_5 +$ $+ 3BaO \cdot 7Ta_2O_5 + (?)$

$\beta \cdot Ta_2O_5 + \alpha \cdot Ta_2O_5$

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Table 6: Relative intensities (visual estimation) and spacings of the roentgenograms of barium tantalates.
Legend: 1) number of the lines; o. - strong, cp. - medium, сл. - weak, o. - very.

№	7BaO·5Ta₂O₅ I	7BaO·5Ta₂O₅ d(Å)	4BaO·Ta₂O₅ I	4BaO·Ta₂O₅ d(Å)	5BaO·Ta₂O₅ I	5BaO·Ta₂O₅ d(Å)	№	7BaO·5Ta₂O₅ I	7BaO·5Ta₂O₅ d(Å)	4BaO·Ta₂O₅ I	4BaO·Ta₂O₅ d(Å)	5BaO·Ta₂O₅ I	5BaO·Ta₂O₅ d(Å)
1	o. c.	3,07	c.	3,18	o. c.	3,01	9	c.	1,35₇	c.	1,52	cp.	1,34ᵣ
2	c.	2,89	c.	3,03	c.	2,12	10	c.	1,30₉	c.	1,36₉	сл.	1,22₆
3	c.	2,10	c.	2,20	o. сл.	2,01	11	c.	1,19₁	cp.	1,32₁ / 1,30₉	cp.	1,13₉
4	c.	1,82	o.	1,78	c.	1,92	12	cp.	1,13₂	cp.	1,27₇		
5	c.	1,71	c.	1,75	o. c.	1,74	13	c.	1,10₂	c.	1,25₀		
6	cp.	1,67	cp.	1,68	o. сл.	1,57	14	c.	1,09₁				
7	c.	1,54	o. сл.	1,62	cp.	1,51							
8	c.	1,44₈	сл.	1,59	cp.	1,30₉							

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ZHMUD', Ye.S.; IVANOVA, A.B.; KOTLYAR, A.A.; OSTAPCHENKO, Ye.P.

X-ray diffraction study of alloys in the system BaO - GeO.
Zhur neorg.khim. 7 no.11:2581-2590 N '62.   (MIRA 15:12)
          (Barium oxide)   (Germanium oxide)
                    (X rays—Diffraction)

YE. S. ZHUMD',V. N. IVANOVA, and YE. P. OSTAPCHENKO

"Roentgen Investigations of the Structure of Tantalates and Preliminary Results of Their Application to Metal-Capillary Cathodes" from Annotations of Works Completed in 1955 at the State Union Sci. Res. Iust; Min. of Radio Engineering Ind.

So; B-3,080,964

ZHMUDENKO, A.S., inzh.; FARAFONOV, I.I., kand.tekhn.nauk; KIYANITSA, G.I.,
    inzh.; FILATOV, L.V., inzh.

Efficient use of bits in the boring of holes with an air drill
in granite quarries. Izv.vys.ucheb.zav.; gor.zhur. 7 no.12:38-
42 '64.   (MIRA 18:2)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut (for
Zhmudenko). 2. Gosudarstvennyy nauchno-issledovatel'skiy i
proyektnyy institut ugol'noy, rudnoy, neftyanoy i gazovoy
promyshlennosti UkrSSR (for Farafonov, Kiyanitsa, Filatov).
Rekomendovana kafedroy tekhnologii i mekhanizatsii gornykh
rabot Kiyevskogo politekhnicheskogo instituta.

ASTAPENKO, V.G., assistent; ZHMUDIKOV, F.M., klinicheskiy ordinator

Serious candidomycosis sepsis with atypical clinical course. Zdrav.
Belor. 5 no.10:70-71 O '59.   (MIRA 13:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zaveduyushchiy - prof.
P.N. Maslov) Minskogo meditsinskogo instituta.
                    (MONILIASIS)

ZHMUDIKOV, F. M.

Preoperative preparation of patients with chronic suppurative
processes in the lungs. Zdrav. Belor. 6 no.9:33-34 S '60.
(MIRA 13:9)

1. Iz otdeleniya grudnoy khirurgii (nauchnyy rukovoditel' - professor
P.N.Maslov) 2-y klinicheskoy bol'nitsy g. Minska.
(LUNGS--DISEASES)   (LIVER)

ZHMUDIKOV, F. M., Cand. Medic. Sci. (diss) "Functional Condition

of Liver in Patients with Chronic Suppurative Processes of Lungs

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Stomach phlegmon. Zdrav. Bel. 9 no.1: 84-85 J'63.

(MIRA 16:8)

(STOMACH—DISEASES)

LOS', G.F., dotsent; ZHMUDIKOV, F.M.

Late results of lung resection in chronic suppurative processes.
Zdrav. Bel. 9 no.2:7-9 F'63.   (MIRA 16:7)

1. Iz kafedry fakul'tetskoy khirurgii (zaveduyushchiy kafedroy-
prof. P.N.Maslov) Minskogo meditsinskogo instituta.
        (LUNGS—ABSCESS)   (LUNGS—SURGERY)

ZHMUDIKOV, F.M.

Glycemic curve in chronic lung suppurations before and after surgery.
Zdrav. Bel. 7 no.12:16-19 D '61.   (MIRA 15:2)

1. Iz otdeleniya grudnoy khirurgii 2-y klinicheskoy bol'nitsy g.Minska
(glavnyy vrach B.V.Drivotinov). Nauchnyy rukovoditel' raboty - prof.
P.N.Maslov.

(BLOOD SUGAR)   (LUNGS—DISEASES)

AKSENT'YEV, S.B.; YERMULOVICH, Ya.V.; ZHMUDSKAYA, L.F.; REZNICHENKO, L.G.

Studying conditioned and unconditioned vascular reflexes as a
method for analyzing corticovisceral relations in various diseases.
[with summary in English]. Zhur.vys.nerv.deist. 7 no.1:49-57 Ja-F '57.
(MIRA 10:10)

1. Odesskiy meditsinskiy institut im. N.I.Pirogova i Odesskiy
nauchno-issledovatel'skiy psikhonevrologicheskiy institut.

        (BLOOD VESSELS, physiology
           conditioned & unconditioned vasc. reflexes in analysis
           of cortico-visceral relations in various dis. (Rus))
        (REFLEX, CONDITIONED,
           vasc. reflexes in analysis of cortico-visceral relationship
           in various dis. (Rus))
        (REFLEX,
      '   unconditioned vasc. reflexes in analysis of cortico-
           visceral relationship in various dis. (Rus))
        (CEREBRAL CORTEX, physiology,
           cortico-visceral relationships, determ. i various
           diseases by conditioned & unconditioned vasc. reflexes (Rus))

USSR / Human and Animal Physiology. Blood Circulation.   T
          The Vessels.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101887.

Author   : Aksent'yev, S. B.; Yermulovich, Ya. V.; Zhmudskaya,
           L. F.; Reznichenko, L. G.
Inst   : Not-given.
Title   : On Appearances of Dominant, Parabiosis and Hysteri-
           osis in the Vascular Reflectory Activity of Man.

Orig Pub: V sb.: Ucheniye N. Ye. Vvedenskogo v klinich. prak-
          tike. Odessa, 1957, 124-129.

Abstract: In patients with various diseases, disturbances in
          the course of vascular reflexes to cold and hot
          stimuli were observed which is regarded by the au-
          thor as various stages of parabiosis, hysteriosis
          and dominant.

Card 1/1
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ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

In memory of Irène Joliot-Curie. Fel'd. 1 akush. 26 no.11:38-41
N '61.   (MIRA 15:2)
            (JOLIOT_CURIE, IRENE, 1897-1956)

KALININ, Mikhail Ivanovich(1875-1946); VASHCHENKO, F.G.; ZHMUDSKAYA,
    R.M., kand. med. nauk; PASHENTSEV, I.A., red.; BALDINA, N.F.,
    tekhn. red.

[Public health and medicine]O zdravookhranenii i meditsine.
Moskva, Medgiz, 1962. 170 p.   (MIRA 15:10)
    (MEDICINE) (PUBLIC HEALTH)
(KALININ, MIKHAIL IVANOVICH, 1875-1946).

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

Forms and methods of work with midwives for raising their qualifica-
tions. Fel'd. i akush. 26 no.10:40-42 O '61.   (MIRA 14:11)
                        (MIDWIVES)

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

Dmitrii Dmitrievich Bekariukov. Fel'd. i akush. 26 no.6:47-50
Je '61.   (MIRA 14:7)
          (BEKARIUKOV, DMITRII DMITRIEVICH, 1861-1934)

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Health education in the campaign for the eradication of harmful
survivals. Fel'd. i akush. 24 no.11:55-58 N '59.   (MIRA 13:2)
    (ALCOHOLISM)   (RELIGION)   (HEALTH EDUCATION)

ZHUDSKAYA, L.F., Cand Med Sci -- (diss) "Vascular conditions and uncon-
ditioned reflexes in patients with rheumatic heart defects and circulary in-
sufficiency." Vladimir, 1959. 13 pp (Odessa State Med Inst im N.I. Pirogov).
200 copies (KL,40-59 , 106)

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ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

P.F.Lesgaft, a prominent Russian anatomist, teacher and social
worker; on the 125th anniversary of his birth. Fel'd. i akush.
27 no.12:31-36 D'62.   (MIRA 16:7)
                (LESGAFT, PETR FRANTSEVICH, 1837 - 1909)

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

A.N. Vinokurov, Physician - Bolshevik. Fel'd. i akush. 25 no.1:
37-41 Ja '60.   (MIRA 13:4)
        (VINOKUROV, ALEKSANDR NIKOLAEVICH, 1869-1944)

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

Tasks of a village midwife in protecting the health of children during the first year of life. Fel'd. i akush. 24 no.12:3-8 D '59.

(MIRA 13:2)

(INFANTS--CARE AND HYGIENE)   (NURSES AND NURSING)

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Conditoned and unconditioned vascular reflexes in mitral failure
combined with circulatory insufficiency. Vrach.delo no.1:35-37
Ja '58.   (MIRA 11:3)

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Levina) Odesskogo meditsinskogo instituta.
        (MITRAL VALVE--DISEASES) (BLOOD--CIRCULATION, DISORDERS OF)
        (REFLEXES)

ZHMUDSKAYA, P.M., kand.med.nauk (Moskva)

Mikhail Fedorovich Vladimirskii, a Bolshevik physician. Fel'd. i
akush. 23 no.9:37-40 S'58   (MIRA 11:10)
          (VLADIMIRSKII, MIKHAIL FEDOROVICH, 1874-1951)

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ZHMUDSKAYA, R.M., kand. med.nauk (Moskva)

Glorious jubilee; on the fifteenth anniversary of the publication
of the Presidium of the Supreme Soviet of the U.S.S.R. on July 8,
1944. Fel'd. i akush. 24 no.7:3-6 Jl '59.   (MIRA 12:10)
                    (MATERNAL AND INFANT WELFARE)

ZHMUDSKAYA, R.M., kand.med.nauk (Moscow)

Fortieth anniversary of the establishment of the People's Commissariat
of Public Health. Fel'd. i akush. 23 no.7:40-46 Jl'58 (MIRA 11:8)
(PUBLIC HEALTH)

ZHMUDSKAYA, R.M. (Moskva)

     Bolshevik physician Z.P.Solov'yev; on his 80th birthday. Fel'd.
    1 akush. 22 no.11:30-34 N '57.   (MIRA 11:2)
        (SOLOV'EV, ZINOVII PETROVICH, 1876-)

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    in Russia, contribution of M.I.Kalinin)
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Charles Darwin; on the one hundred-fiftieth anniversary of his
birth and the one hundredth anniversary of the publication of
the "Origin of Species." Fel'd. i akush. 24 no.5:38-44
My '59.   (MIRA 12:8)
                   (DARWIN, CHARLES ROBERT, 1809-1882)

ZHMUDSKAYA, R.M., kand.meditsinskikh nauk (Moskva)

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(KONDOIDI, PAVEL ZAKHAROVICH, 1710-1760)